

**TRIP REPORT  
FOR  
DELFASCO FORGE SITE  
PHASE I  
GRAND PRAIRIE, DALLAS COUNTY, TEXAS**

Prepared For

**U.S. Environmental Protection Agency Region 6  
1445 Ross Ave.  
Dallas, Texas 75202**

**Date Prepared**  
February 25, 2009

Prepared by

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FOR  
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**Date Prepared**  
February 25, 2009

**Reference Numbers**

Contract No: EP-W-06-077  
TDD Number: TO-0009-08-08-03  
CERCLIS No: TXD988034328  
EPA SAM: Bret Kendrick  
START PM: David Anderson

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Date: February 26, 2009

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Date: February 26, 2009

- The EPA Task Monitor provided final approval of this report
- The EPA Task Monitor did not provide final approval of this report prior to the completion date of the Technical Direction Document.

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**ATTACHMENTS**

- Attachment 1 Purge Water Discharge from City of Grand Prairie

## **1.0 INTRODUCTION**

Phase I of the Site Inspection at the Delfasco Forge Facility, (CERCLIS No. TXD988034328) located in Grand Prairie, Texas (Figures 1 and 2), was conducted in accordance with Superfund Technical Assessment and Response Team (START) Technical Direction Document (TDD) No. TO-0009-08-08-03, Delfasco Forge site, the Work Plan, Revision 1 dated November 13, 2008, and the Quality Assurance Sampling Plan, Revision 1, dated November 13, 2008.

## **2.0 FIELD SAMPLING**

### **2.1. Soil Gas Sampling**

The work plan proposed the installation of passive soil gas (PSG) sampling devices from Beacon Environmental at eight locations on the Delfasco property. Samplers were to be spaced at approximately 50 foot intervals beginning at the northeast corner of the property and extending east along the north property line, and south along the east property line. START personnel mobilized to the site on November 18, 2008 to install the PSGs. Samplers were installed at seven of the eight proposed locations (Figure 3, Table 1), according to the procedures in the QASP. The machine shop building on the east boundary prevented installation of a sampler at location DFSG07. Borings for the samplers were approximately 2 foot in depth to correlate with previous PSG samples collected north and east of the facility. The PSGs were retrieved on November 25, 2008 and were shipped to Beacon Environmental in Bel Air, MD for analysis for volatile organics using a modification of EPA SW846 Method 8260.

### **2.2. Groundwater Sampling**

The work plan proposed the collection of samples from 13 of the 26 monitoring wells that had been installed during previous investigations at Delfasco. START personnel conducted the monitor well sampling on November 19 and 20, 2008. After purging to stabilized water quality parameters, samples were collected at 12 of the 13 proposed locations (Figure 4, Table 2) using the procedures in the QASP. START was unable to remove the cover from monitor well 07, located on McArthur Boulevard, and after consultation with the EPA SAM, it was decided not to collect this sample. After collection, the preserved samples were sent to CLP

laboratory, KAP Technologies Inc., in The Woodland, TX for analysis of volatile organics. Purge water from the monitoring wells was collected in drums and stored at the City of Grand Prairie Service Center pending the receipt of analytical results. Analyte concentrations for the purge water were within limits for discharge to the City of Grand Prairie sanitary sewer system and the purge water has been discharged by the City of Grand Prairie (Attachment A).\\

### **3.0 ANALYTICAL RESULTS**

#### **3.1. Passive Soil Gas Sample Results**

Results for the PSG samples are presented in Table 3. Results are in the units of total nanograms (ng) detected on the sampling device. Trichloroethene was detected in all of the samples, with samples DFSG04, DFSG05 and DFSG06 all having greater than 1000 ng detected on the sampler. The maximum amount detected was 13,900 ng in sample DFSG05. Trichloroethene degradation products 1,1-dichloroethene, cis-1,1-dichloroethene and trans-1,2-dichloroethene were also detected in samples DFSG04, DFSG05 and DFSG06. Figure 5 is a contour map of the trichloroethene concentrations associated with the Delfasco Forge site, including previously collected passive soil gas samples.

#### **3.2. Groundwater Sample Results**

Results for the monitoring wells samples are presented in Table 4. Trichloroethene was detected in the two on-site wells (MW03 and MW05) and in five of the off-site wells (MW14, MW16, MW20, MS23 and MW25), with the concentration exceeding the MCL of 5 ug/L in MW03, MW05, MW14 and MW23. Degradation products of trichloroethene were detected in four wells (1,1-dichloroethene in MW03 and MW23, trans-1,1-dichloroethene in MW03 and MW05, and cis-1,2-dichloroethene in MW 03, MW05, MW16 and MW23). Figure 6 shows the concentration of trichloroethene in the monitor wells.

## **TABLES**

**TABLE 1**  
**Passive Soil Gas Sample Locations**

<b>Sample ID</b>	<b>Sample Location</b>	<b>Coordinates</b>
DFSG01	L01, 50 feet west of L02	32.75076 <sup>0</sup> N, 96.96306 <sup>0</sup> W
DFSG02	L02, 50 feet west of L03	32.75077 <sup>0</sup> N, 96.96291 <sup>0</sup> W
DFSG03	L03, 50 feet west of L04	32.75076 <sup>0</sup> N, 96.96274 <sup>0</sup> W
DFSG04	L04, Northeast corner of property	32.75076 <sup>0</sup> N, 96.96258 <sup>0</sup> W
DFSG05	L05, 50 feet south of L04	32.75064 <sup>0</sup> N, 96.96259 <sup>0</sup> W
DFSG06	L06, 50 feet south of L05	32.75051 <sup>0</sup> N, 96.96261 <sup>0</sup> W
DFSG08	L08, 100 feet south of L06	32.75021 <sup>0</sup> N, 96.96262 <sup>0</sup> W
DFSG09	L09 Duplicate of L04	32.75021 <sup>0</sup> N, 96.96262 <sup>0</sup> W

**TABLE 2**  
**Monitor Well Sample Locations**

Sample ID	Sample Location	Coordinates
DFGW01	MW03 on-site	32.75053 <sup>0</sup> N, 96.96.262 <sup>0</sup> W
DFGW02	MW05 on-site	32.75077 <sup>0</sup> N, 96.96294 <sup>0</sup> W
DFGW03	MW06A 29 <sup>th</sup> St.	32.75495 <sup>0</sup> N, 96.96163 <sup>0</sup> W
DFGW05	MW08 31 <sup>st</sup> St.	32.75337 <sup>0</sup> N, 96.95874 <sup>0</sup> W
DFGW06	MW14 29 <sup>th</sup> St.	32.75002 <sup>0</sup> N, 96.96188 <sup>0</sup> W
DFGW07	MW14 Duplicate	32.75002 <sup>0</sup> N, 96.96188 <sup>0</sup> W
DFGW08	MW16 28 <sup>th</sup> St.	32.75118 <sup>0</sup> N, 96.96327 <sup>0</sup> W
DFGW09	MW17 28 <sup>th</sup> St. (Background)	32.75001 <sup>0</sup> N, 96.96337 <sup>0</sup> W
DFGW10	MW20 31 <sup>st</sup> St.	32.75026 <sup>0</sup> N, 96.95876 <sup>0</sup> W
DFGW11	MW22 32 <sup>nd</sup> St.	32.75153 <sup>0</sup> N, 96.95742 <sup>0</sup> W
DFGW12	MW23 32 <sup>nd</sup> St.	32.75339 <sup>0</sup> N, 96.95724 <sup>0</sup> W
DFGW13	MW23 Duplicate	32.75339 <sup>0</sup> N, 96.95724 <sup>0</sup> W
DFGW14	MW 24 33 <sup>rd</sup> St.	32.75341 <sup>0</sup> N, 96.95564 <sup>0</sup> W
DFGW15	MW25 33 <sup>rd</sup> St.	32.75263 <sup>0</sup> N, 96.95567 <sup>0</sup> W
DFPW01	Purge water 01	
DFPW02	Purge water 02	

**Table 3**  
**SOIL GAS SAMPLE RESULTS**

Sample Number:	DFSG01		DFSG02		DFSG03		DFSG04		DFSG04D	
Sampling Location:	Soil Gas Location 01		Soil Gas Location 02		Soil Gas Location 03		Soil Gas Location 04		Soil Gas Location 04	
Matrix:	Air									
Units:	ng									
Date Sampled:	11/25/08		11/25/08		11/25/08		11/25/08		11/25/08	
Date Analyzed:	11/30/08		11/30/08		11/30/08		11/30/08		11/30/08	
Parameter	Result	Flag								
1,1,1,2-Tetrachloroethane	25	U								
1,1,1-Trichloroethane	25	U								
1,1,2,2-Tetrachloroethane	25	U								
1,1,2-Trichloroethane	25	U								
1,1-Dichloroethane	25	U								
1,1-Dichloroethene	25	U								
1,2,3-Trichlorobenzene	25	U								
1,2,3-Trichloropropane	25	U								
1,2,4-Trichlorobenzene	25	U								
1,2,4-Trimethylbenzene	25	U								
1,2-Dibromoethane (EDB)	25	U								
1,2-Dichlorobenzene	25	U								
1,2-Dichloroethane	25	U								
1,3,5-Trimethylbenzene	25	U								
1,3-Dichlorobenzene	25	U								
1,4-Dichlorobenzene	25	U								
112-Trichlorotrifluoroethane (Fr.113)	25	U								
2-Methylnaphthalene	25	U								
Benzene	25	U								
Bromoform	25	U								
Carbon Tetrachloride	25	U								
Chlorobenzene	25	U								
Chloroform	25	U								
cis-1,2-Dichloroethene	25	U	25	U	25	U	185.91		137.76	
Dichlorodifluoromethane (Freon 12)	25	U								
Dichlorotetrafluoroethane (Freon 114)	25	U								
Ethylbenzene	25	U								
Isopropylbenzene	25	U								
Methyl-t-butyl ether	25	U								
Naphthalene	25	U								
o-Xylene	25	U								
p & m-Xylene	25	U								
Tetrachloroethene	100		41.96		25	U	28.63		46.46	
Toluene	25	U								
TPH C10-C15	2500	U								
TPH C5-C9	2500	U								
trans-1,2-Dichloroethene	25	U	25	U	25	U	11	J	7	J
Trichloroethene	432		167.27		43.69		2393.65		2459.68	
Trichlorofluoromethane (Freon 11)	25	U								
Vinyl Chloride	25	U								

ng - Nonogram detected in sample

U - Not detected at the reporting limit listed

J - Estimated concentration

**Table 3**  
**SOIL GAS SAMPLE RESULTS**

Sample Number:	DFSG05		DFSG06		DFSG08		DFSG09	
Sampling Location:	Soil Gas Location 05		Soil Gas Location 06		Soil Gas Location 08		Soil Gas Trip Blank	
Matrix:	Air		Air		Air		Air	
Units:	ng		ng		ng		ng	
Date Sampled:	11/25/08		11/25/08		11/25/08		11/25/08	
Date Analyzed:	11/30/08		11/30/08		11/30/08		11/30/08	
Parameter	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1,2-Tetrachloroethane	25	U	25	U	25	U	25	U
1,1,1-Trichloroethane	25	U	25	U	25	U	25	U
1,1,2,2-Tetrachloroethane	25	U	25	U	25	U	25	U
1,1,2-Trichloroethane	25	U	25	U	25	U	25	U
1,1-Dichloroethane	23	J	25	U	25	U	25	U
1,1-Dichloroethene	76.41		10	J	25	U	25	U
1,2,3-Trichlorobenzene	25	U	25	U	25	U	25	U
1,2,3-Trichloropropane	25	U	25	U	25	U	25	U
1,2,4-Trichlorobenzene	25	U	25	U	25	U	25	U
1,2,4-Trimethylbenzene	25	U	25	U	25	U	25	U
1,2-Dibromoethane (EDB)	25	U	25	U	25	U	25	U
1,2-Dichlorobenzene	25	U	25	U	25	U	25	U
1,2-Dichloroethane	25	U	25	U	25	U	25	U
1,3,5-Trimethylbenzene	25	U	25	U	25	U	25	U
1,3-Dichlorobenzene	25	U	25	U	25	U	25	U
1,4-Dichlorobenzene	25	U	25	U	25	U	25	U
112-Trichlorotrifluoroethane (Fr.113)	25	U	25	U	25	U	25	U
2-Methylnaphthalene	25	U	25	U	25	U	25	U
Benzene	25	U	25	U	25	U	25	U
Bromoform	25	U	25	U	25	U	25	U
Carbon Tetrachloride	25	U	25	U	25	U	25	U
Chlorobenzene	25	U	25	U	25	U	25	U
Chloroform	30.96		25	U	25	U	25	U
cis-1,2-Dichloroethene	5475.27		530.17		19	J	25	U
Dichlorodifluoromethane (Freon 12)	25	U	25	U	25	U	25	U
Dichlorotetrafluoroethane (Freon 114)	25	U	25	U	25	U	25	U
Ethylbenzene	25	U	25	U	25	U	25	U
Isopropylbenzene	25	U	25	U	25	U	25	U
Methyl-t-butyl ether	25	U	25	U	25	U	25	U
Naphthalene	25	U	25	U	25	U	25	U
o-Xylene	25	U	25	U	25	U	25	U
p & m-Xylene	25	U	25	U	25	U	25	U
Tetrachloroethene	285.98		95.23		13	J	25	U
Toluene	25	U	25	U	25	U	25	U
TPH C10-C15	2500	U	2500	U	2500	U	2500	U
TPH C5-C9	2500	U	2500	U	2500	U	2500	U
trans-1,2-Dichloroethene	87.75		28.2		25	U	25	U
Trichloroethene	13924.5		4884.49		138.77		25	U
Trichlorofluoromethane (Freon 11)	25	U	25	U	25	U	25	U
Vinyl Chloride	25	U	25	U	12	J	25	U

ng - Nonogram detected in sample

U - Not detected at the reporting limit listed

J - Estimated concentration

**TABLE 4**  
**GROUNDWATER SAMPLE RESULTS**

Sample Number:	F2XE4		F2XE5		F2XE6		F2XE7		F2XE8	
Sampling Location:	Monitoring Well 25		Monitoring Well 24		Monitoring Well 23		Monitoring Well 23		Monitoring Well 22	
Parameter	Result	Flag								
1,1,1-Trichloroethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	1	U	0.5	UJ	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	1	U	0.38	LJ	0.5	U
1,2,3-Trichlorobenzene	1.1		0.5	U	1	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	10	U	5	U	5	U
2-Hexanone	5	U	5	U	10	U	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U	10	U	5	U	5	U
Acetone	5	U	5	U	10	U	5	U	5	U
Benzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Bromochloromethane	0.5	U	0.5	U	1	U	0.5	UJ	0.5	U
Bromodichloromethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	1	U	0.5	UJ	0.5	U
Bromomethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Carbon disulfide	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	1	U	0.5	UJ	0.5	U
Chloromethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	1	U	0.47	LJ	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	1	U	0.5	UJ	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Isopropylbenzene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
m,p-Xylene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Methyl acetate	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Methylene chloride	0.5	U	0.5	U	1	U	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Tetrachloroethene	0.57		0.5	U	0.87	LJ	0.89		0.5	U
Toluene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Trichloroethene	2.3		0.5	U	160	D	180	D	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	1	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	1	U	0.5	U	0.5	U

ug/L - micrograms/liter

U - Undetected at listed reporting limit

J - Estimated concentration or reporting limit

L - Low bias

D - Results from dilution analysis  
Shaded values indicate exceedance of MCL

**TABLE 4**  
**GROUNDWATER SAMPLE RESULTS**

Sample Number:	F2XE9		F2XF0		F2XF1		F2XF2		F2XF3	
Sampling Location:	Monitoring Well 20		Monitoring Well 17		Monitoring Well 16		Monitoring Well 14		Monitoring Well 14	
Parameter	Result	Flag								
1,1,1-Trichloroethane	0.5	U								
1,1,2,2-Tetrachloroethane	0.5	U								
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U								
1,1,2-Trichloroethane	0.5	U								
1,1-Dichloroethane	0.5	U	0.5	U	1.6		0.5	U	0.5	U
1,1-Dichloroethene	0.5	U								
1,2,3-Trichlorobenzene	0.5	U								
1,2,4-Trichlorobenzene	0.5	U								
1,2-Dibromo-3-chloropropane	0.5	U								
1,2-Dibromoethane	0.5	U								
1,2-Dichlorobenzene	0.5	U								
1,2-Dichloroethane	0.5	U	0.5	U	0.42	LJ	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U								
1,3-Dichlorobenzene	0.5	U								
1,4-Dichlorobenzene	0.5	U								
2-Butanone	5	U	5	U	5	U	5	U	5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Acetone	5	U	5	U	5	U	5	U	5	U
Benzene	0.5	U								
Bromochloromethane	0.5	U								
Bromodichloromethane	0.5	U								
Bromoform	0.5	U								
Bromomethane	0.5	U								
Carbon disulfide	0.5	U								
Carbon tetrachloride	0.5	U								
Chlorobenzene	0.5	U								
Chloroethane	0.5	U								
Chloroform	0.5	U								
Chloromethane	0.5	U								
cis-1,2-Dichloroethene	0.5	U	0.5	U	3.9		0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U								
Cyclohexane	0.5	U								
Dibromochloromethane	0.5	U								
Dichlorodifluoromethane	0.5	U								
Ethylbenzene	0.5	U								
Isopropylbenzene	0.5	U								
m,p-Xylene	0.5	U								
Methyl acetate	0.5	U								
Methyl tert-butyl ether	0.5	U								
Methylcyclohexane	0.5	U								
Methylene chloride	0.5	U								
o-Xylene	0.5	U								
Styrene	0.5	U								
Tetrachloroethene	0.5	U	0.5	U	1.3		0.33	LJ	0.44	LJ
Toluene	0.5	U								
trans-1,2-Dichloroethene	0.5	U								
trans-1,3-Dichloropropene	0.5	U								
Trichloroethene	1.6		0.5	U	1.2		24	D	25	D
Trichlorofluoromethane	0.5	U								
Vinyl chloride	0.5	U								

ug/L - micrograms/liter

U - Undetected at listed reporting limit

J - Estimated concentration or reporting limit

L - Low bias

D - Results from dilution analysis  
Shaded values indicate exceedance of MCL

**TABLE 4**  
**GROUNDWATER SAMPLE RESULTS**

Sample Number:	F2XF4		F2XF6		F2XF7		F2XF8		F2XF9	
Sampling Location:	Monitoring Well 08		Monitoring Well 06A		Monitoring Well 05		Monitoring Well 03		Purge Water 01	
Parameter	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,1-Trichloroethane	0.5	U	0.5	U	1	U	1	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	1	U	1	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	1	U	1	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	1.7		1	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	1	U	0.49	LJ	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	1	U	14	J	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	1	U	1	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	1	U	1	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.8	LJ	1	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	1	U	1	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
2-Butanone	5	U	5	U	10	U	10	U	5	U
2-Hexanone	5	U	5	U	10	U	10	U	5	U
4-Methyl-2-pentanone	5	U	5	U	10	U	10	U	5	U
Acetone	5	U	5	U	10	U	10	U	5	U
Benzene	0.5	U	0.5	U	1	U	0.75	LJ	0.5	U
Bromochloromethane	0.5	U	0.5	U	1	U	1	UJ	0.5	U
Bromodichloromethane	0.5	U	0.5	U	1	U	1	U	0.5	U
Bromoform	0.5	U	0.5	U	1	U	1	UJ	0.5	U
Bromomethane	0.5	U	0.5	U	1	U	1	U	0.5	U
Carbon disulfide	0.5	U	0.5	U	1	U	1	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U	1	U	1	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
Chloroethane	0.5	U	0.5	U	1	U	1	U	0.5	U
Chloroform	0.5	U	0.5	U	1	U	1	UJ	0.5	U
Chloromethane	0.5	U	0.5	U	1	U	1	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	36	D	110	D	12	
cis-1,3-Dichloropropene	0.5	U	0.5	U	1	U	1	U	0.5	U
Cyclohexane	0.5	U	0.5	U	1	U	1	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	1	U	1	UJ	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	1	U	1	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
Isopropylbenzene	0.5	U	0.5	U	1	U	1	U	0.5	U
m,p-Xylene	0.5	U	0.5	U	1	U	1	U	0.5	U
Methyl acetate	0.5	U	0.5	U	1	U	1	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U	1	U	1	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U	1	U	1	U	0.5	U
Methylene chloride	0.5	U	0.5	U	1	U	1	U	0.5	U
o-Xylene	0.5	U	0.5	U	1	U	1	U	0.5	U
Styrene	0.5	U	0.5	U	1	U	1	U	0.5	U
Tetrachloroethene	0.5	U	0.5	U	19	LJD	5		1.1	
Toluene	0.5	U	0.5	U	1	U	1	U	0.5	U
trans-1,2-Dichloroethene	0.5	U	0.5	U	1.5	J	0.59	LJ	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	1	U	1	U	0.5	U
Trichloroethene	0.5	U	0.5	U	530	D	1500	D	210	D
Trichlorofluoromethane	0.5	U	0.5	U	1	U	1	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	1	U	1	U	0.5	U

ug/L - micrograms/liter

U - Undetected at listed reporting limit

J - Estimated concentration or reporting limit

L - Low bias

D - Results from dilution analysis  
Shaded values indicate exceedance of MCL

**TABLE 4**  
**GROUNDWATER SAMPLE RESULTS**

Sample Number:	F2XG0	F2XG1		
Sampling Location:	Purge Water 02	Groundwater Trip Blank 01		
Matrix:	water	water		
Units:	ug/L	ug/L		
Date Sampled:	11/20/08	11/20/08		
Date Analyzed:	11/26/08	11/26/08		
Parameter	Result	Flag	Result	Flag
1,1,1-Trichloroethane	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U
2-Butanone	5	U	5	U
2-Hexanone	5	U	5	U
4-Methyl-2-pentanone	5	U	5	U
Acetone	5	U	8.1	
Benzene	0.5	U	0.5	U
Bromochloromethane	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U
Carbon disulfide	0.5	U	0.5	U
Carbon tetrachloride	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U
Chloromethane	0.5	U	0.5	U
cis-1,2-Dichloroethene	14		0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U
Isopropylbenzene	0.5	U	0.5	U
m,p-Xylene	0.5	U	0.5	U
Methyl acetate	0.5	U	0.5	U
Methyl tert-butyl ether	0.5	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U
Methylene chloride	0.5	U	0.5	U
o-Xylene	0.5	U	0.5	U
Styrene	0.5	U	0.5	U
Tetrachloroethene	1.2		0.5	U
Toluene	0.5	U	0.21	LJ
trans-1,2-Dichloroethene	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U
Trichloroethene	98	D	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U

ug/L - micrograms/liter

U - Undetected at listed reporting limit

J - Estimated concentration or reporting limit

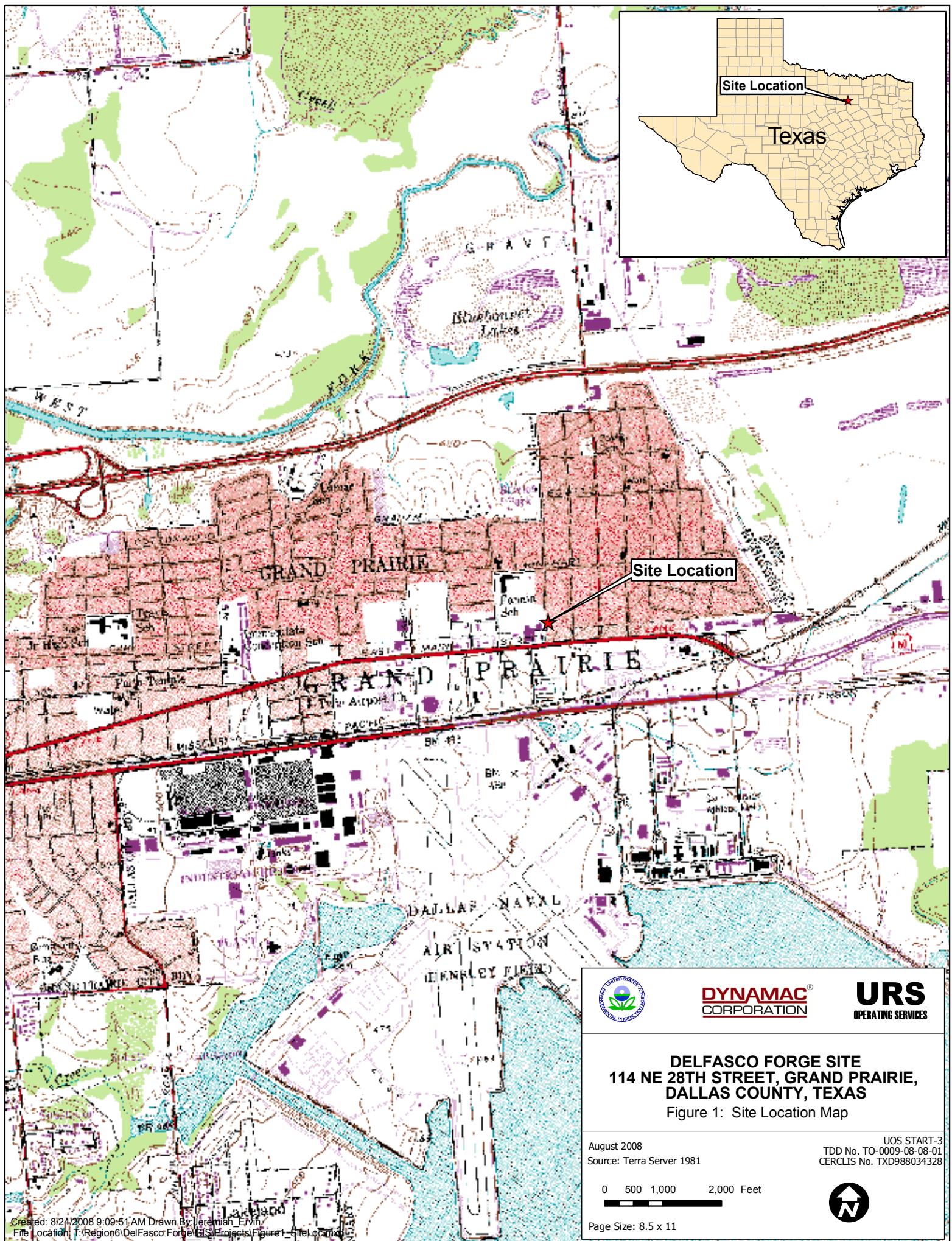
L - Low bias

D - Results from dilution analysis  
Shaded values indicate exceedance of MCL

## **FIGURES**

## **FIGURE 1**

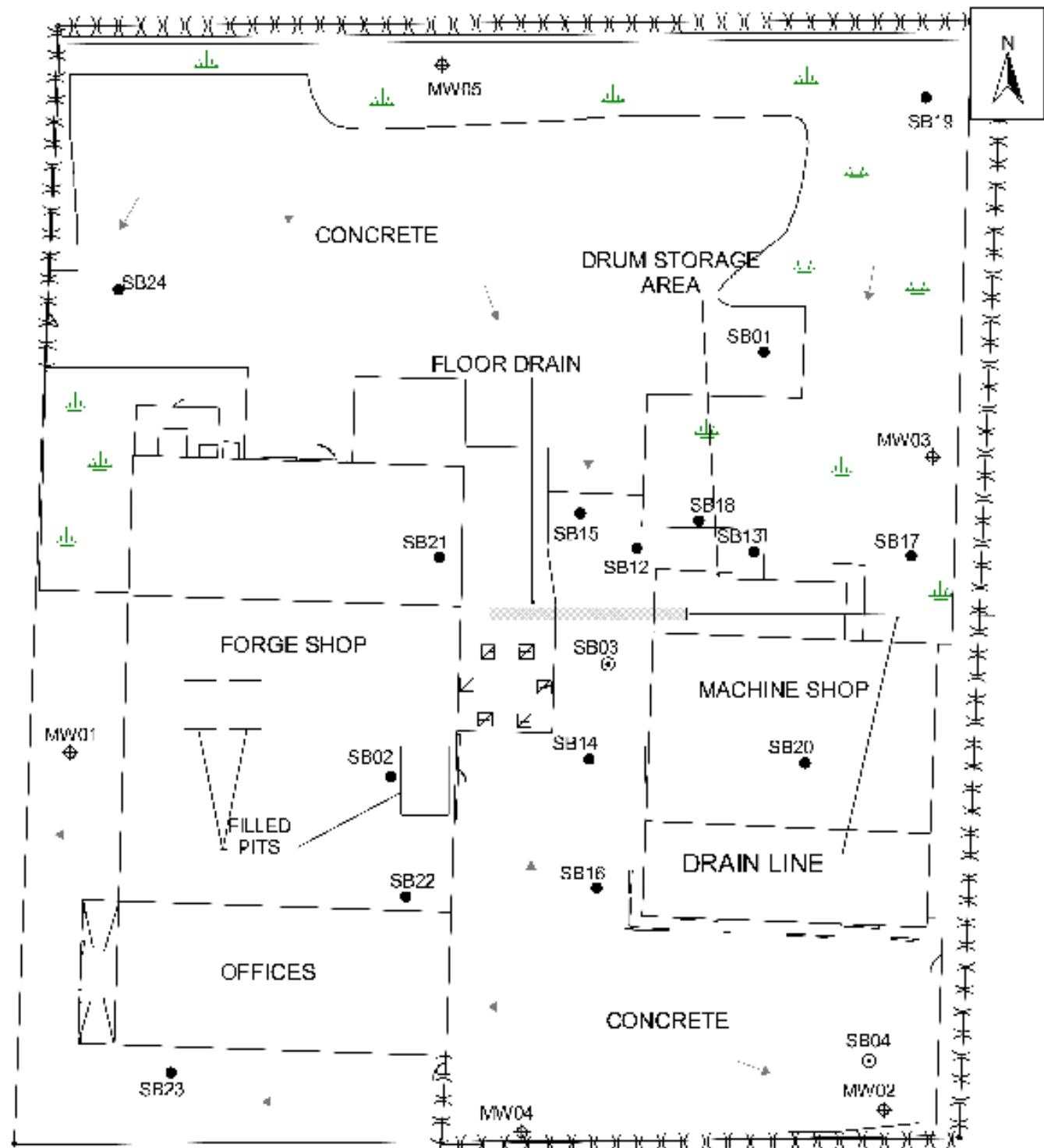
### **Site Location**



**FIGURES 2**

**Site Details Map**

# NE 28th Street



- ▲ Surface Water Flow
- Soil Boring
- ◊ Monitor Well
- ◎ Temporary Monitor Well
- ◆ Fence
- Grass



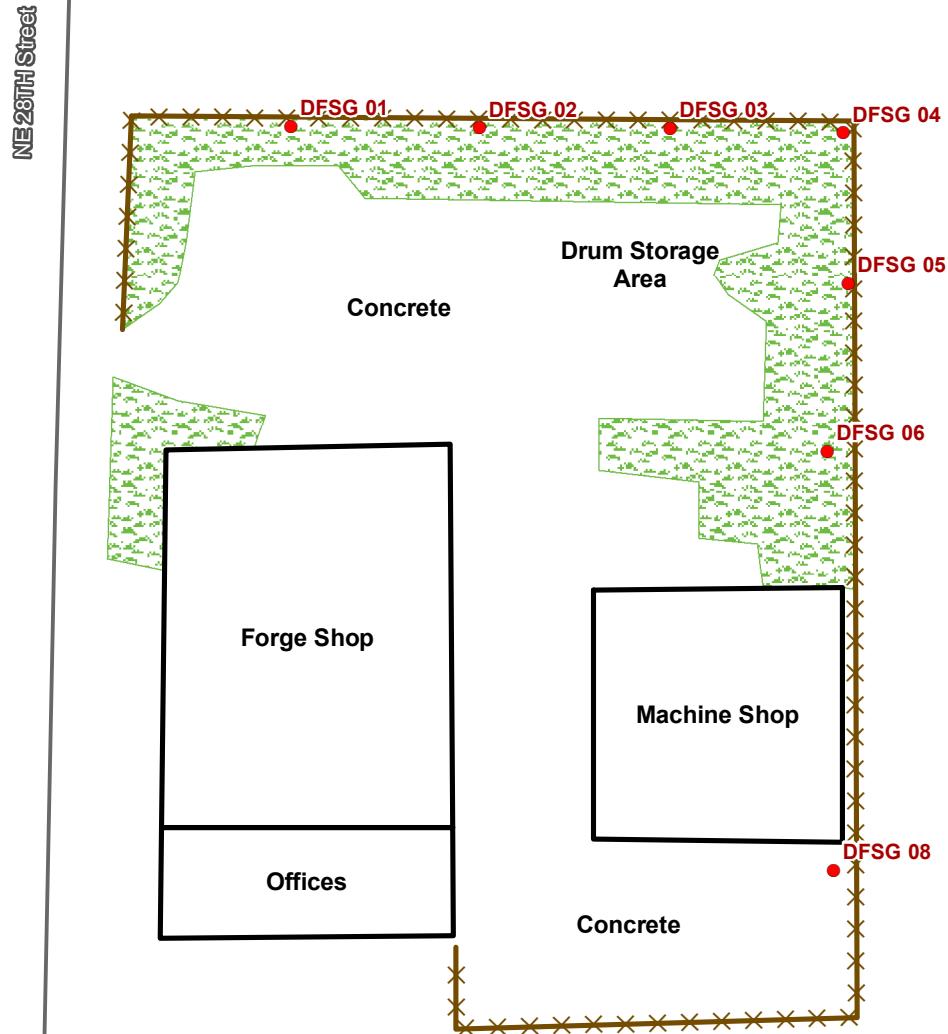
**URS**  
OPERATING SERVICES

**DYNAMAC<sup>®</sup>**  
CORPORATION

**DELFASCO FORGE SITE**  
**114 NE 28TH STREET, GRAND PRAIRIE,**  
**DALLAS COUNTY, TEXAS**

Figure 2: Site Map

**FIGURES 3**  
**Passive Soil Gas Sample Locations**



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DALLAS COUNTY, TEXAS**

Figure 3: Passive Soil Gas Sample Locations

● Soil Gas Sample

TDD No. TO-0009-08-08-03  
CERCLIS No. TX988034328

✖ Fence

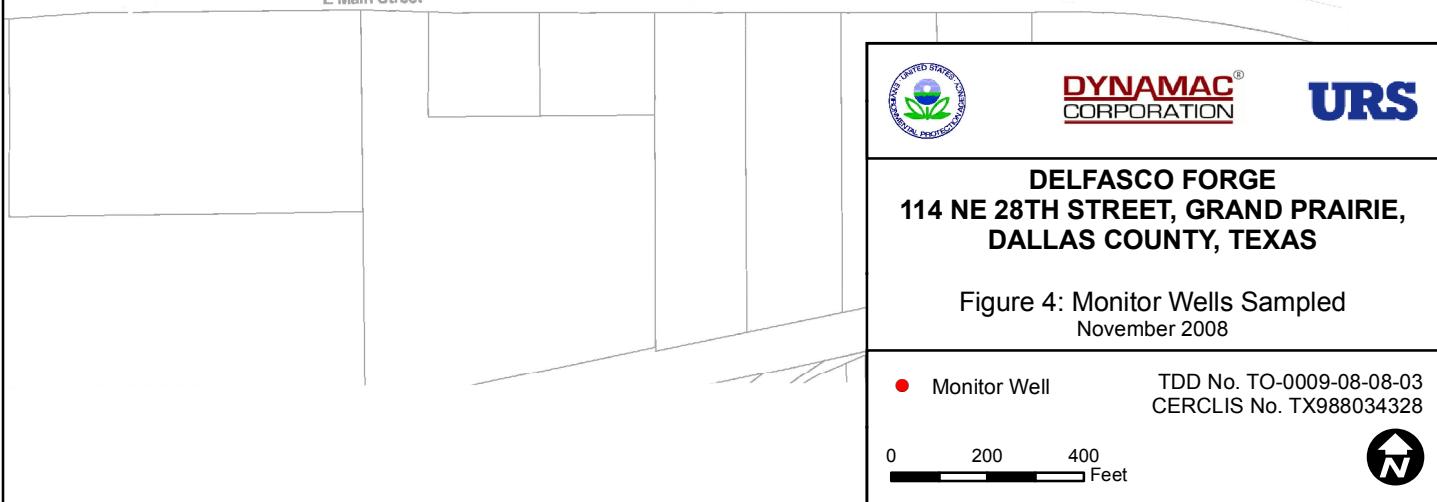
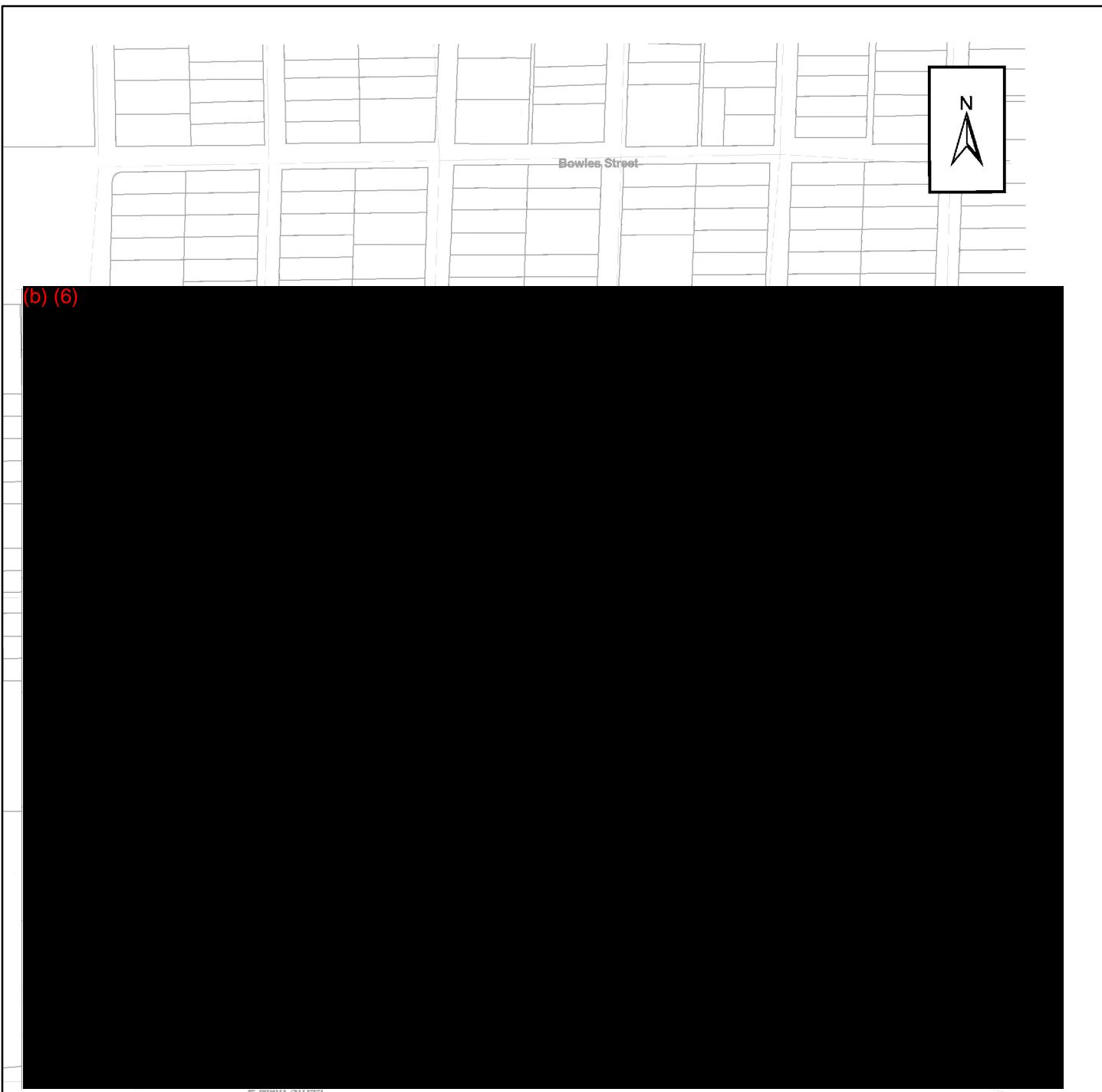
Grass

0 25 50 Feet

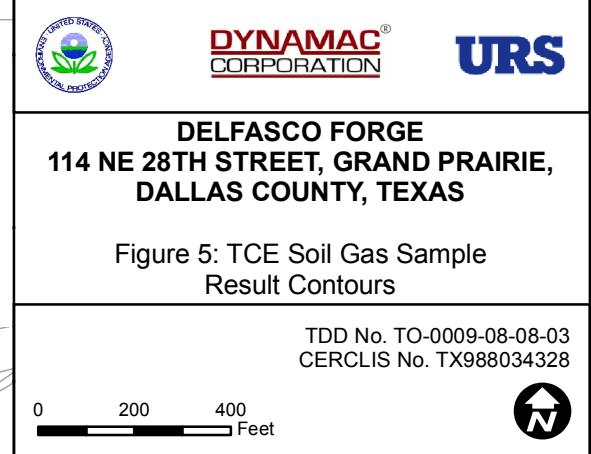
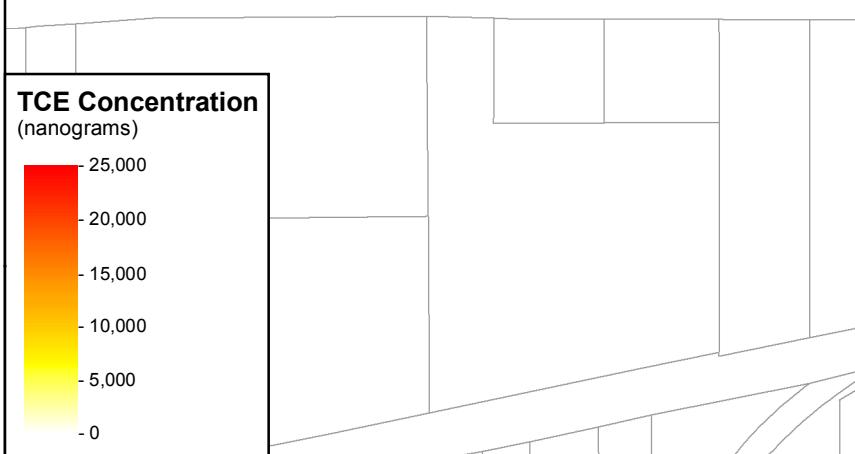
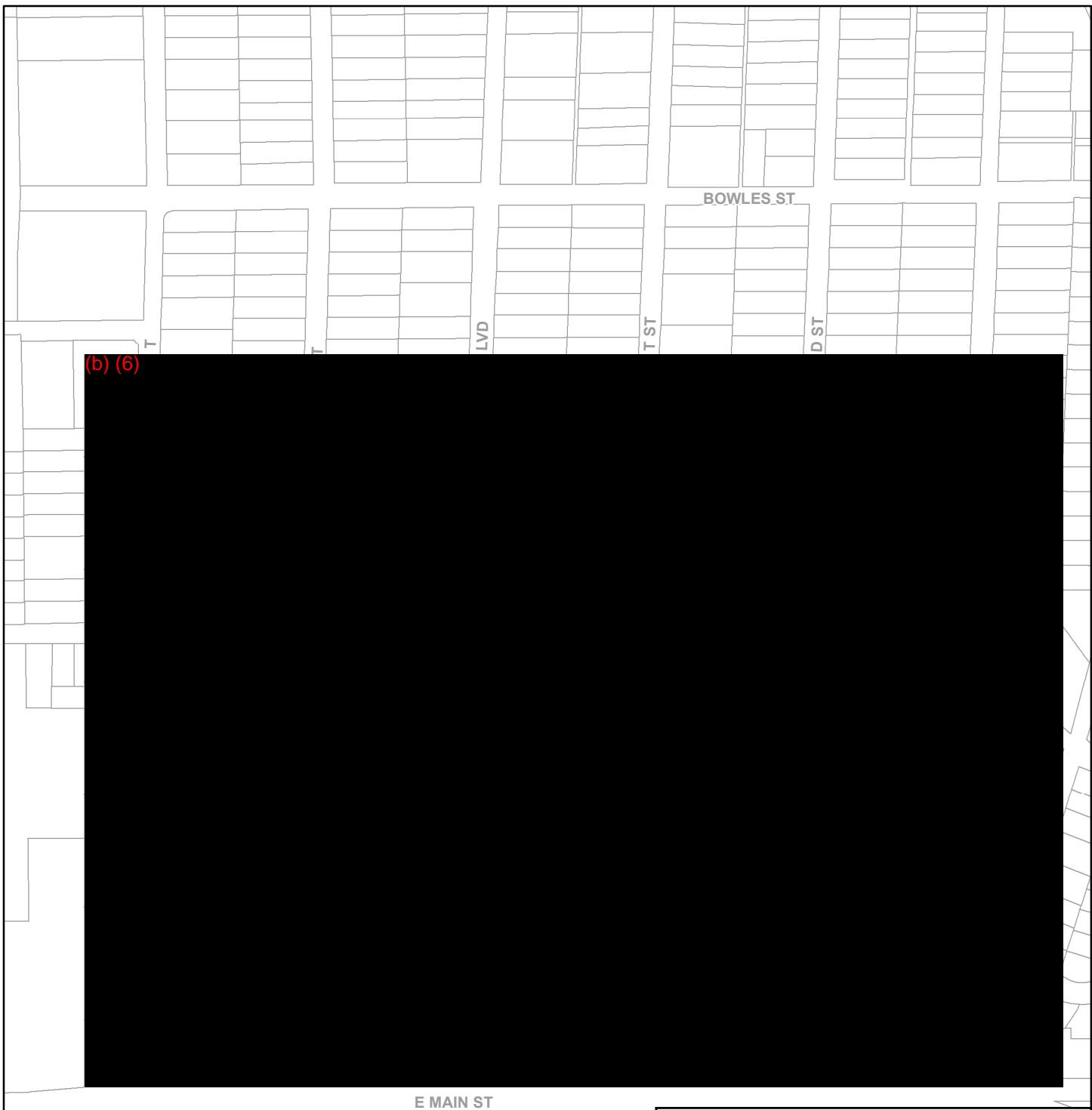


**FIGURES 4**

**Monitor Wells Sampled**



**FIGURES 5**  
**TCE Soil Gas Sample Results Contour Map**



**FIGURES 6**  
**TCE Groundwater Sample Results Map**

